

19981021.qrp v01_n251.qrs.981021

Date: Wed, 21 Oct 1998 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1251

QRP-L Digest 1251

Topics covered in this issue include:

- 1) [22747] PacifiCon Muster List
by Paul Harden <pharden@aoc.nrao.edu>
- 2) [22748] QRP Pactor
by David Greer <deg@bardstown.com>
- 3) [22749] TG-5-B Telegraph Set
by w4bld@juno.com
- 4) [22750] HELP--RE: [80M] QRP on 80m?
by olyellr@iglou.com
- 5) [22751] QRP celeb qso!
by tom whalen <whalen@swcp.com>
- 6) [22752] FOX: Pre-Operation Post Rule
by "Paul R. Valko" <prvalko@oakland.edu>
- 7) [22753] Re: Smallest Transceiver???
by "Radman" <radman@best.com>
- 8) [22754] Vermont QRPers?
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 9) [22755] Re: Did anyone see Aurora last night?
by "Armin Hachmer" <armin@muskoka.com>
- 10) [22756] Re: QRP Pactor ???
by crucis@sky.net
- 11) [22757] KEYS FOR SALE
by w2bj@juno.com (Barry J Minsky)
- 12) [22758] Re: Did anyone see Aurora last night?
by Ab7wy@aol.com
- 13) [22759] RE: Crystal oscillator
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 14) [22760] Re: 40m xcvr & trick prod detector
by tayloe_d@juno.com (Daniel R Tayloe)
- 15) [22761] Re: Smallest Transceiver???
by "Caitlyn M. Martin" <cait.martin@ibm.net>
- 16) [22762] ARCI CONTEST REPORT:
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 17) [22763] Sale:keyer
by Jay Bromley <w5jay@alltel.net>
- 18) [22764] Yahoo - I got another Pelt
by ke6zx@juno.com (Fred J Kalt)
- 19) [22765] FOX

by Tom Palmer <n1tp@worldnet.att.net>
20) [22766] FW: Did anyone see Aurora last night?
by Dave McAllister <davemc@direct.ca>
21) [22767] Re: Altatlanticon
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
22) [22768] GOT HIM
by Tom Palmer <n1tp@worldnet.att.net>
23) [22769] Two IC transceiver
by Dave McAllister <davemc@direct.ca>
24) [22770] No FOX Heard Yet
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
25) [22771] FOX
by jbhenson@zebra.net (James Bartley Henson III)
26) [22772] Wire Suture cutters
by ac5ez@webtv.net (Larry B)
27) [22773] Fox: Hoo Wudda Believed..
by Ken Freedman <n1qqv@cshore.com>
28) [22774] Re: KEYS FOR SALE
by KC5TJA <kc5tja@topaz.axisinternet.com>
29) [22775] 40m is horrible! Never heard HF so bad before...
by KC5TJA <kc5tja@topaz.axisinternet.com>
30) [22776] Fox-Gotta Buy My Trapping License
by Mike Souhrada <wb9iog@revealed.net>
31) [22777] Re: Altatlanticon
by Paul Harden <pharden@aoc.nrao.edu>
32) [22778] Re: 40m xcvr & trick prod detector
by tayloe_d@juno.com (Daniel R Tayloe)
33) [22779] OHR 100A's For sale
by Norm Melick <henmel@gte.net>
34) [22780] The Tayloe Mixer
by Paul Harden <pharden@aoc.nrao.edu>
35) [22781] Re: Smallest Transceiver??? (addendum....)
by "Radman" <radman@best.com>
36) [22782] toroids position
by Paolo Sassoli <Paolo.Sassoli@italtel.it>
37) [22783] aurora
by talljazz@teleport.com (Dan Presley)
38) [22784] Re: Altatlanticon
by Bensondj@aol.com
39) [22785] Corsair II is sold
by Scott Howell <whowell@hq.nasa.gov>
40) [22786] Hamfest List
by "Bryan Turner" <turnerw@email.uah.edu>
41) [22787] FOX:KV2X
by Bruce Rattray <rattray@gpfn.sk.ca>
42) [22788] RE: Did anyone see Aurora last night?
by Kevin Muenzler WB5RUE <wb5rue@stic.net>
43) [22789] 10M, SSB QRP, Delta loops, and DX

by Jim <kj5tf@madisoncounty.net>
44) [22790] OHR-500 Construction Progress
by SABorns@aol.com
45) [22791] Re: OHR-500 Construction Progress
by Chuck Adams <adams@ticnet.com>
46) [22792] wire cutter list
by ac5ez@webtv.net (Larry B)
47) [22793] Question about schemo makin' software &c
by nilsbull@juno.com (Nils R Young)
48) [22794] TS850/QRP
by "Jeff M. Gold" <JGold@tntech.edu>
49) [22795] Mobile again
by "Jeff M. Gold" <JGold@tntech.edu>
50) [22796] FOLDED RADIALS
by ARDUJENSKI@aol.com
51) [22797] Re: Question about schemo makin' software &c
by "Radman" <radman@best.com>
52) [22798] Six Pack -Vol/Mon
by dave_epps@juno.com
53) [22799] DXCC question
by n0bf@juno.com (Stephen C Stuntz)
54) [22800] HAND CRANK GEN
by ARDUJENSKI@aol.com
55) [22801] Vernier dials needed
by Grant Taylor <k7gt@qsl.net>
56) [22802] Re: PVC Audio Filter is ASP not DSP
by borealis@juno.com (Philip G. Collier)
57) [22803] Re: Smallest Transceiver???
by Jim Lowman <jmlowman@ix.netcom.com>
58) [22804] RE: DXCC question
by Kevin Muenzler WB5RUE <wb5rue@stic.net>
59) [22805] Re: resonant speaker headphones?
by Chuck Carpenter <w5usj@webwide.net>
60) [22806] Santa Monica and San Diego QRPers
by "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
61) [22807] FS MFJ QRP RIGS
by RangerSF5@aol.com
62) [22808] CRYSTALS FOR 160 METERS
by Lou Fisher <hummba@pacbell.net>
63) [22809] Re: FOX - HELP
by Chuck Carpenter <w5usj@webwide.net>
64) [22810] kv2x FOX
by Chuck Carpenter <w5usj@webwide.net>
65) [22811] Transmit / Receive Delay
by Bob Patten <n4bp@bc.seflin.org>
66) [22812] Re: DXCC question
by "david r" <elbc@pivot.net>
67) [22813] Pacificon (Fairly Brief)

- by Ed Loranger <we6w@qsl.net>
- 68) [22814] NORCAL EURO Rep at Rochdaleicon
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 69) [22815] Need Original Meter for HW-8
by Lou Martin <lmartin@uswest.net>
- 70) [22816] Thanks
by Monte Stark <ku7y@dri.edu>
- 71) [22817] Tesla Information.
by Ed Loranger <we6w@qsl.net>
- 72) [22818] Help with understanding of L-networks
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 73) [22819] Fox
by David Greer <deg@bardstown.com>
- 74) [22820] TVI Problem
by KF4EIB@aol.com
- 75) [22821] Re: QRP Pactor ???
by Tom Popovic <ki3r@yahoo.com>
- 76) [22822] Re: [TenTec] TVI Problem
by Clark Savage Turner <turner@safety.ics.uci.edu>
- 77) [22823] L-network revisited
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 78) [22824] sold
by RangerSF5@aol.com

Date: Tue, 20 Oct 1998 17:00:58 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [22747] PacifiCon Muster List
Message-ID: <Pine.SOL.3.91.981020164905.12948A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Partial "who's who" in QRP:

Nobody knows who all showed up at PacifiCon, but Jim AL7FS kept a neat eyeball log (see his post for the list) and the following is the list signed at the friday nite Tony Roma's fend-for-yourself quasi-official QRP dinner and make-a-bunch-of-noise informal hoedown. I hope I didn't omit anyone. We were amazed by all the DX attendees (non-CA's, that is).

Table #1 ...

CA Norm Melick	KQ6SD	AZ Brian Kassel	W5VBO (AZ ScQRPion)
CA Veda Henson	KF6JHC	ME Rex Harper	W1REX
AZ Scott Hogen	K7ZEN	AZ Dave Yarnes	W7AQK (List keeper)

AK Jim Larsen	AL7FS (Real DX!)	BC Derry Spittle	VE7QK (Epiphyte guy)
CA Doug Hendricks	KI6DS (Doug who?)	NY Brad Mitchell	WB8YGG (TiCK guy)
NM Paul Harden	NA5N	CA Vern Wright	W6MMA (SLV coil guy)
AZ Dan Tayloe	N7VE (ScQRPion)	CA Dave Joseph	WA6BOY (Pixie guy)
NM Jim Duffey	KK6MC/5	CA Ward Hill	WA6FUH
CA Bob Painter	KF6NKH	CA Jim Cates	WA6GER (NorCal guy)
CA Don Clement	AC6LC	CA Pete Hoover	W6ZH (Justa nice guy)
HI Peter Demmer	KH6CTQ (Real DX)	TN Jerry Brown	N4EO (Elvis related)
HI Pat Demmer	KH6CTQ-xyl	TN Maria Brown	N6DXW
CA Dave Epps	AB5PC	CA Don Leal	N6EO
CA Edna Epps	KF6JSL	CA Barbara Leal	N6EO-xyl
CO Jan Medley	N0QT (CQC Sect'y)	CA Bill Jones	KD7S (Used ABS forks)
CA Dave Fifield	AD6AY (NC20 guy)	CA Merleigh Jones	KD7S-xyl
ID Lee Schafer	K7QD	CA John Dundas	W6SV
ID Rod Greene	W7ZRC	CA John Moriarity	K6QQ
CA Dwight Graham	WA6NAE	CA Nancy Moriarity	K6QQ-xyl
CA Stan Cooper	K4DRD	NY Gary Diana	N2JGU (TiCK guy)

And at table #2 ...

MD Mike Czuhajewski	WA8MCQ (ARCI President)		
NV Ron Stark	KU7Y (Past ARCI QQ Editor)		
CA Gary Mitchell	WB6YRU	CA Bob Dyer	KD6VIO (QRP Bob)
CA Randy Tomer	W6RA	CA Lloyd DeVaughns	KD6FJI
CA Mitchell Lee	KB6FPW		

It was a crowd and lots of fun. Next year, we'll choose a place that has more room, and already Jim and Doug are considering getting a room at the Sheraton for a friday night hospitality suite (like saturday nite) as well.

CU next year,
Paul NA5N

Date: Tue, 20 Oct 1998 19:44:16 -0700
 From: David Greer <deg@bardstown.com>
 To: qrp-1@Lehigh.EDU
 Subject: [22748] QRP Pactor
 Message-ID: <362D4A80.32CE@bardstown.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In reply to KB2QQM's question about QRP Pactor, I've operated Pactor about 3 years at the 100 watt level. However, Pactor would be an excellent QRP mode. Because of its narrow bandwidth of 1 KHz -- wider than CW but narrower than SSB -- it's an excellent weak-signal mode. Almost as good as CW. I've worked a couple of QRP Pactor stations with excellent results. Clover, a modulated digital mode by Hal, must be connected to a rig's ALC and will raise and lower RF output depending on received signal strength. Clover often gets down automatically to QRP levels when signals are strong. As for a multi-mode TNC, I have the Kantronics Kam Plus. It works fine. It's the only one I've owned or used.

72, Dave, N4KZ

Date: Tue, 20 Oct 1998 19:52:31 -0300
From: w4bld@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22749] TG-5-B Telegraph Set
Message-ID: <19981020.195232.3254.1.w4bld@juno.com>

Hi Gang - I have a friend who has a TG-5-B, S/N 3095, in very good shape. It has a J-41 Key and is in a fold-up metal case. He has no idea what the item is worth, although I have been told "more than \$75.00. If anyone has a better idea about price or wants to add it to a collection, please contact me for more information. Thanks, Bob (If this is a repost, please forgive me. I did not see it come back so I assume it never got to the list for some reason.)

Robert B. Kerby - W4BLD
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980
(540) 942-4356
(I collect Gonset, Morow and Elmac)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Oct 1998 19:53:08 -0400
From: olyellr@iglou.com

To: qrp-1@Lehigh.EDU
Subject: [22750] HELP--RE: [80M] QRP on 80m?
Message-ID: <3.0.5.32.19981020195308.00796340@pop.ig1ou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

The following is a msg from the 80mtr reflector and I was hoping some of you that work on 80 could help this fellow with his question regarding QRP on 80mtrs. I pretty much work on 40 and above and haven't yet done much QRP on 80.

I would say that he isn't a member here (I sent him the info) so all replies need to be direct to him and not the list here. I wouldn't mind being copied though....am curious myself.

Thanks es 72/3,
Mike L.

-----forward-----

>X-Authentication-Warning: ns3.qth.net: majordom set sender to
>owner-80m@qth.net using -f
>Date: Tue, 20 Oct 1998 18:57:57 -0300
>From: William Burrow <aa126@fan.nb.ca>
>To: 80m@qth.net
>Subject: [80M] QRP on 80m?
>X-Mailer: Mutt 0.93.2i
>Sender: owner-80m@qth.net
>Reply-To: William Burrow <aa126@fan.nb.ca>
>
>Hi there, just signed onto the 80m list. I have the 5 wpm certification,
>which in Canada, permits me to operate HF on 160m and 80m. I have the
>antenna for 80m half built (the rope is up, the wires aren't :), but not
>much money for a rig. I was considering building a QRP xceiver (since I
>also managed the Advanced standing which permits me to build equipment).
>
>How is 80m for QRP? Does a QRP signal carry well? What are the best
>frequencies to pick for calls?
>
>73s.
>
>--
>William Burrow, VE9WIL -- New Brunswick, Canada
>"Reality is that which, when you stop believing in it, doesn't go
>away".
>
-- Philip K. Dick

>
>
>---

>Submissions 80m@qth.net

-----end-----

.....
de AF4LQ
FISTS #4139 QRP-L #1395
99% CW OP...for the pure JOY of it.
<http://members.iglou.com/olyellr/>
.....

Date: Tue, 20 Oct 1998 15:18:58 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22751] QRP celeb qso!
Message-ID: <362CFE42.3FAF@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-Ler's!

Thought I would fire up the GM-15 and call cq on 21.060! Guess who came back to my call....W7ZOI Wes!! Almost fell out of my chair! We had a real nice qso till my son said my 2 watts was tearing up his stereo, so had to end the qso. I asked Wes if he was chasing the Fox, and he said not yet but may show up one of these nights. I was thrilled to work Wes, as Im one of his big fans. I probably have every qrp article he wrote!

Looking forward to working the fox tonight! Got the loop repaired and so will try it for the first 30 min., failing that will then go to the dipole or vertical..Gotta work at least one fox with the loop!

72, and good fox hunting tonight! Tom WB5QYTHome of the spud gun antenna launcher....and sometimes FOX persuader!

Date: Tue, 20 Oct 1998 20:22:01 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>

To: John Sielke <n4js@pobox.com>
Cc: 1998 Fox List -- Dave Ek <ekdave@earthlink.net>, Clifton W Sikes
<ab5uacw@juno.com>, "Wilford D. Lindsey" <70511.3041@compuserve.com>,
"Michael A. Gipe" <mgipe@reliablemeters.com>, k5zty@juno.com, Walt Amos
<waltk8cv@ameritech.net>, Hank Kohl K8DD <k8dd@contesting.com>,
Subject: [22752] FOX: Pre-Operation Post Rule
Message-ID: <Pine.OSF.3.95.981020201133.16068A-1000000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Oct 1998, John Sielke wrote in response to the fox posting a
message earlier in the day...

> Just a note, the above doesn't quite hack it. See rule below:
>
> 1.13 Fox must post PRIOR to operation day with details (rig, ant,
> freq) regarding their operation.

AXE-UALLY... he did comply with the rule. The foxhunt we are all chasing
on Tuesday evening October 20th (in North America) actually takes place
Wednesday October 21 at 0200Z.

If you want to take it to the Supreme Court, you might argue that the rule
says "day" and not "date."

WORD OF CAUTION TO FOXII!!!

Please post a friendly hello message at least 24 hours prior to going on
the air. The hounds were baying at me all day, and I do have a day-job
:-)

Give a general synopsis of your operation including appx. frequency, rig,
ant, op style, etc.

WORD TO THE HOUNDS!!!!!!!!!!!!

Kids, this is all in fun. Relax, reach for the orange handle and have a
great hunt to-night. Olive U. Mann.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 20 Oct 1998 17:41:11 -0700
From: "Radman" <radman@best.com>
To: <Baranger1@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22753] Re: Smallest Transceiver???
Message-ID: <199810210037.RAA11021@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bill,

If you define "all band QRP SSB" as 160-10M SSB, capable of 5 watt operation, the "smallest volume" is found in the SGC-2020 transceiver. It's volume is 113.7 cu in -- down from it's "predecessor," the Index labs QRP+ measuring 132 cu in. For reference, the popular Japanese Icom 706-MK-II (QRP-capable) measures 119.9 cu in in volume.

Other small-volume contenders include:

Kenwood TS-50 = 152.6 cu in
Patcomm PC-9000 = 165 cu in
TenTec Scout = 176.7 cu in
Elecraft K2 = 196.9 cu in

I'm currently researching/writing an article that attempts to demystify the "apples to oranges" comparisons of the above mentioned rigs. Wish me luck ;)

72 - Conrad Weiss - NN6CW

>>>Question for the group, what is the smallest size "all band" QRP SSB Transceiver made?
73, Bill WB9BQG<<<

Date: Tue, 20 Oct 1998 17:50:08 -0700

From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22754] Vermont QRPers?
Message-ID: <LCFCDDLHFFGMBAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Any Vermont QRPers out there? I have some questions about the Burlington area.
Please reply to my e-mail.

Tnx and 72,
Mike KL7IXI/7
Vancouver, WA

Get your FREE E-mail at <http://mailcity.lycos.com>
Get your PERSONALIZED START PAGE at <http://personal.lycos.com>

Date: Tue, 20 Oct 1998 20:44:36 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: <traylor@ECE.ORST.EDU>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22755] Re: Did anyone see Aurora last night?
Message-ID: <199810210100.VAA28945@gold.muskoka.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

nothing in ontario at 45 degrees North. Ratz.
Armin Hachmer VE3TEQ
' life is a contact sport '

> From: Roger Traylor <traylor@ECE.ORST.EDU>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: Did anyone see Aurora last night?
> Date: Tuesday, October 20, 1998 14:55
>
> Mike,

> I checked at 11pm and at 2am from Western Oregon (Corvallis).
> Nothing sighted here either.
>
> Roger Traylor
> WB4TPW
>
> -----
> > On the basis of the reported good condx for Auroral activity I looked
> > for it a few times last night but never saw anything. I am located in
> > Eastern Washington. Anyone else have better luck?
> > -Mike AB7RU
> >
> >
> > ==
> > Michael Parkes AB7RU
> >
> >
> >
> >
> > -----
> > DO YOU YAHOO!?
> > Get your free @yahoo.com address at <http://mail.yahoo.com>
> >
> >
> >
>
>

Date: Tue, 20 Oct 1998 20:03:15 -0600
From: crucis@sky.net
To: KB2QQM@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22756] Re: QRP Pactor ???
Message-ID: <362D32D3.746DE560@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I use QRP Pactor and RTTY. There is nothing that requires high or low power levels. It's more difficult in establishing a link a low power due to QSB, etc., but not impossible. I've done it.

Mike - W0TMW

GREGORY HEATH wrote:

>
> I have been involved in Qrp now for about 5 years and I am looking to
> explore the digital areas. Is there anyone on the board here that has
> Pactor or Pactor II experience. I read or heard that low power levels are
> required, which would be a neat addition to the shack here. A Qrp pactor
> station. Any ideas for a Tnc...under \$300.....or software...thanks Greg.
> kb2qqm

--

=====
Mike Watson, W0TMW QCWA Mbr # 28651, Chap. 35
Raymore, MO USA Grid: EM28st ARCI# 9647
<http://www.sky.net/~crucis/linklist.htm>
E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
=====

Date: Tue, 20 Oct 1998 21:15:49 -0400
From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-l@Lehigh.EDU
Subject: [22757] KEYS FOR SALE
Message-ID: <19981020.211550.-81645.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have several keys for sale.

1. Lafayette Coffinkey - This is an older version of the Hi-Mound BK-100 bug. It is in very good condition and is in the original box. \$90.00
2. Hi-Mound BK-100 bug in excellent condition. \$100.00
3. Vibroplex Champion bug serial number 262282 dated about 1969 in very good condition. \$150.00
4. Vibroplex Brass Racer in good condition. \$75.00
5. Shurr Profi like new condition. \$200.00
6. Shurr Wabbler in like new condition. \$210.00
7. Vibroplex Original chrome bug serial number 194354 dated about 1956 in very good condition. \$150.00.

8. Vibroplex Original bug serial number 382751 dated about 1977. This key is in good condition. It works well but could use some cleaning up. \$80.00
9. Vibroplex Original bug serial number 93813 with japanned base in very good condition. This key is dated about 1924. \$150.00
10. Vibroplex Original chrome bug serial number 101287 in very good condition. \$150.00
11. Vibroplex Original chrome bug serial number 204715 in very good condition. \$150.00
12. Vibroplex Original chrome bug serial number 101287 in like new condition. \$175.00
13. MFJ chrome iambic paddles in excellent condition. \$40.00

Shipping cost of \$10.00 must be added for each key. If interested, please send private e-mail.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers Club #3723

Amateur Radio Missionary Service

Date: Tue, 20 Oct 1998 21:40:39 EDT

From: Ab7wy@aol.com

To: qrp-l@Lehigh.EDU

Subject: [22758] Re: Did anyone see Aurora last night?

Message-ID: <bbc075ec.362d3b97@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

In a message dated 98-10-20 13:27:20 EDT, you write:

<< On the basis of the reported good condx for Auroral activity I looked for it a few times last night but never saw anything. I am located in Eastern Washington. Anyone else have better luck?

-Mike AB7RU

>>

I didnt see any in Western Washington either, it had been years since ive seen the northern lights and i was really looking forward to it if i couldnt do any dxing. oh well, maybe that means the bands will be coming back soon.

73....Adam, AB7WY

Date: Tue, 20 Oct 1998 19:45:42 -0600
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [22759] RE: Crystal oscillator
Message-ID: <5103124387F8D11199DD00A0C925E4B916DD@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

snip<<

I've found a 100 Kc crystal in the junk box and bread boarded the "typical" crystal oscillator circuit in the handbook. >> snip

I think you're trying to run the crystal in the wrong mode. HF oscillators usually try to run in the parallel resonant mode. Most 100 KHz rocks are made to be run in the series resonant mode. Look for a circuit designed to run at this frequency.

Date: Tue, 20 Oct 1998 18:48:33 -0700
From: tayloe_d@juno.com (Daniel R Tayloe)
To: k7gt@qsl.net, qrp-l@Lehigh.EDU
Cc: LISTSERV@Lehigh.EDU
Subject: [22760] Re: 40m xcvr & trick prod detector
Message-ID: <19981020.185241.11246.1.tayloe_d@juno.com>

On Tue, 20 Oct 1998 15:35:34 -0700 Grant Taylor <k7gt@qsl.net> writes:

>I just read your posted description of that xcvr...sounds great.

>A couple of quick (and likely stupid) questions...

>

>1. Is there any hope of revamping a NorCal 40A with this detector

>replacing the NE602 1st mixer?

That is not likely. The 40A is a superhet complete with a crystal IF.
This
design is a direct conversion. Beyond that, it needs a 4x clock. That
means
a 28 MHz VFO. My design uses exactly that. The stability is the same as
a 7 MHz VFO since it gets divided by a factor of 4.

>
>2. Does it 'sound' like the K2? (I have never heard one but have been
>fascinated from the articles I have read)

I did not listen to the K2, but it does sound **really** good. I am so
used
to the "peaky" sound of sharp crystal filters that this receiver sounds
really good.

>
>3. How much does a '74CBT3253' chip cost?

You cannot get this part in DIP form, only in the smaller outline part
form.
The lead spacing is half that of a normal DIP. It certainly makes things
more
interesting to build!

Digikey has a Pericom part, PI5C3253Q-ND for \$1.02. Very cheap!

>
>In other words, tell me more...
>
>
>BTW: My brother (lives in Oregon) is Dan Taylor . . .
>--
>Grant Taylor K7GT Pleasanton CA k7gt@qsl.net
><http://www.qsl.net/k7gt>
>

Date: Tue, 20 Oct 1998 21:55:36 -0400
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Baranger1@aol.com"
<Baranger1@aol.com>
Subject: [22761] Re: Smallest Transceiver???
Message-ID: <199810210158.BAA72702@out5.ibm.net>
MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Tue, 20 Oct 1998 17:49:43 EDT, Baranger1@aol.com wrote:

>Question for the group, what is the smallest size "all band" QRP SSB
>Transceiver made?

My guess, not counting kits, would be the TenTec Argo 556.

72,
Caity
KU4QD

```
-----
Caitlyn M. Martin                "They have computers, and may have
cait.martin@ibm.net              other weapons of mass
http://www.caitys-world.com      destruction"  -Janet Reno
-----
```

Date: Tue, 20 Oct 1998 21:18:49 -0500
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-l@Lehigh.EDU
Subject: [22762] ARCI CONTEST REPORT:
Message-ID: <362D4489.78FC@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
Thought I would put in my 2 cents worth also.
Call used W4DEC
Category Single Op : High Bands: 5 watts out:
Report sent RST AL 8835:

Hours worked 15 Hours 12 minutes:

Band	QSO'S	Points	MULTS

20mtrs	112	3332	35
15mtrs	73	2268	31

10mtrs	18	567	12	

Totals	203	6167	78	Score 481,026

The above points column reflects actual points multiplied by 7. That's how the NA 10 program does it:

Highlights:

Working WA3PTY in PA on 20 Meters Said he was using 60 MW.
 Working OH9VL in Finland on 15 Meters. He was using 1 watt.
 Working 2u0ARE in Gurnsey on 15 mtrs. Said he was using 3 Watt.
 Working JR0BAQ Japan He was using 2 Watts.

It was great working so many of you from this list and the great number of ARCI members.

For Bob N4BP : Sorry that we couldn't make it on 10 and 15. You were weak but good copy on both bands. Was hearing you on back scatter with beam NW. With bean on you the signal disappeared.

Equipment used for this contest:

ICOM 735 at 5 watts or just a little bit less using OHR WM2 Wattmeter.
 Cushcraft A4S Tribander at 70 feet.

My Thanks to all who worked me. It was a great contest, and hope to see all of you again in the spring contest.

72 es G1

Larry (W4DEC)

 Date: Tue, 20 Oct 1998 21:16:39 -0500
 From: Jay Bromley <w5jay@alltel.net>
 To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [22763] Sale:keyer
 Message-ID: <362D4407.9D1F406E@alltel.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Gang,
 Sorry, I have not been able to keep up---- job, ect.
 The Logic keyer is sold. Thanks to all that responded.
 73 de w5jay..

Date: Tue, 20 Oct 1998 22:18:46 -0400
From: ke6zx@juno.com (Fred J Kalt)
To: qrp-1@Lehigh.EDU
Subject: [22764] Yahoo - I got another Pelt
Message-ID: <19981020.221847.-921999.8.ke6zx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got him ! Thought I wasn't going to be able to finish it. Heard what I think was radar bouncing in that totally wiped the fox out, but thanks, Tom, for hanging in there and your continued patience and calling me back. The noise cleared up quick enuf that I could finally hear you and return. That makes 2 pelts in 3 hunts. I'm gettin' to like this.

Thanks, Tom, your patience and persistance is great.

Fred KE6ZX
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Tue, 20 Oct 1998 22:22:04 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [22765] FOX
Message-ID: <362D454C.5B8A9300@worldnet.att.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fox is on 7.037. Working TX and KY. Conditions not good in Florida.

Date: Tue, 20 Oct 1998 22:42:36 -0400
From: Dave McAllister <davemc@direct.ca>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [22766] FW: Did anyone see Aurora last night?
Message-ID: <01C03AD5.BEA1E560@edm-52-0143.direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

...or in northern Alberta. If there had been a display, you can bet we sould have seen it here. Bands sure were crappy, tho.

Dave VE7HUN
...but I'm in Alberta, really

-----Original Message-----
From: Jim Lyons [SMTP:jlyons@CAM.ORG]
Sent: 20 Oct 98 16:12 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Did anyone see Aurora last night?

Nothing observed in Montreal, Canada.

Jim, VE2KN

At 10:13 AM 10/20/98 -0700, Mike Parkes wrote:
>On the basis of the reported good condx for Auroral activity I looked
>for it a few times last night but never saw anything. I am located in
>Eastern Washington. Anyone else have better luck?
>-Mike AB7RU
>
>
>==
>Michael Parkes AB7RU
>
>
>
>
>-----
>DO YOU YAHOO!?

>Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>
>
>

Date: Tue, 20 Oct 1998 22:46:59 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Bensondj@aol.com
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, NJQRP Club <njqrp@njqrp.org>
Subject: [22767] Re: Altatlanticon
Message-ID: <362D4B23.FC86110E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

That would be neat. Some of the 4 landers are talking about taking up the project on QRP-1 so make sure you let them know. I for one will be sitting front row if you're on the show. I have a lot to learn.

Bensondj@aol.com wrote:

>
> Skip-
>
> >>Late September. maybe I've got my contests wrong.
> <<
> Much better- no conflict with the Dayton season. I'd be happy to speak at a
> forum. :-)
>
> 73, Dave- NN1G

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 20 Oct 1998 22:59:20 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [22768] GOT HIM
Message-ID: <362D4E08.FCC87F5A@worldnet.att.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bagged the Fox at 0252 UTC at 7.037. That's 5 for 5 with G5RV.
Conditions are POOR!!!!. Thanks, Tom, for hanging in there! Next week
a 3 element mono yagi with 36 foot boom goes up for 40 meters; that will
mightily improve this 5W signal from Naples. Fox remains at 3.037.
72/73 to all from Tom, N1TP, in beautiful, tropical, Naples Florida..

Date: Tue, 20 Oct 1998 23:20:59 -0400
From: Dave McAllister <davemc@direct.ca>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [22769] Two IC transceiver
Message-ID: <01C03ADB.23E2F860@edm-52-0143.direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi all

I believe there is a design out there somewhere for a 2 IC (7400) and 2 =
diode (qrp) transceiver. It was in an issue of 73 magazine a few years =
back. Thought it would be a cute thing to build, and maybe experiment =
with. Could anyone tell me where to find the schematic or more =
information? I'm quite a ways from a decent library so perusing back =
issues won't be an option for some time. Thanks in advance for your =
help.

Dave VE7HUN=20
...but I'm in Alberta, really

Date: Tue, 20 Oct 1998 23:17:06 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [22770] No FOX Heard Yet
Message-ID: <199810202321_MC2-5D61-C042@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Been hearing a *few* hunters, and sometimes even they seemm to disappear. Glad some guys are bagging him. Hope the propagation might smile here before he runs to his den for the evening :-). Good luck, everyone.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Tue, 20 Oct 1998 22:29:18 -0500
From: jbhenson@zebra.net (James Bartley Henson III)
To: qrp-l@Lehigh.EDU
Subject: [22771] FOX
Message-ID: <362D550E.55DD@zebra.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Conditions in LA (lower Alabama) were rough tonight with much QRM. The fox was in and out until about 0305Z. Between twisting knobs on the 509, the DSP, rf gain, etc... I finally had a good copy. Called and Tom

came back. Thanks for persevering, Tom. You done good.

Sorry I missed the first 2 hunts. Best regards to all and "good hunting."

Jay
N4XDW

Date: Tue, 20 Oct 1998 22:31:51 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [22772] Wire Suture cutters
Message-ID: <18459-362D55A7-2374@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

I have seven brand new stainless steel , surgical wire suture cutters ,free to those who might be interested. These cutters were made in Germany.They are 4 & 3/4 inch long.
They might be of use to qrp builders who have use for a light weight pair of wire cutters.
Three bucks should cover the cost of a mailer and postage.
Anyone interested , send me an e mail .
Larry K1zw

Date: Tue, 20 Oct 1998 23:33:01 -0400
From: Ken Freedman <n1qqv@cshore.com>
To: qrp-1@Lehigh.EDU
Subject: [22773] Fox: Hoo Wudda Believed..
Message-ID: <3.0.32.19981020233146.006be3fc@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! I joined the hunt late tonight, 'cuz I just *knew* I didn't have a snowballs chance of working a New York station on 40 meters after sundown. I expected to get some practice copying calls in the pileup, but you never know what cards Lady Luck is going to deal you. Tom was a solid 5-7-9 here in southern Connecticut!

What a hoot! Thanks Tom.

73, Ken

Ken Freedman
AKA N1QQV/QRP ARRL VE, QRP-L, AMSAT

Date: Tue, 20 Oct 1998 20:49:57 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Barry J Minsky <w2bj@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22774] Re: KEYS FOR SALE
Message-ID: <Pine.LNX.3.96.981020204856.7345A-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Oct 1998, Barry J Minsky wrote:

> 13. MFJ chrome iambic paddles in excellent condition. \$40.00
>
> Shipping cost of \$10.00 must be added for each key. If interested,
> please send private e-mail.

I'm interested in the MFJ iambic paddles. Are they viewed as two normally-open switches electrically?

Thanks for the info.

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net
Oceanside, CA		

Date: Tue, 20 Oct 1998 20:59:16 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@lehigh.edu
Subject: [22775] 40m is horrible! Never heard HF so bad before...
Message-ID: <Pine.LNX.3.96.981020205320.7345B-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is the second night in a row with absolutely NO contacts heard. I received private e-mail from at least seven different people, all who were going to listen on 7110 and even call me direct. Nada.

Not a peep.

I try to keep calling CQ on 7110, in case my signal gets out to you folks. Alas, the noise just puts me to sleep. That is GOOD sounding noise -- very relaxing. But alas, still no signal.

Folks, I am the anti-Fox. :) I try to hunt down OTHER people to contact. *grin*

Now that I have my radio tuned to a usable portion of the band (7100 to 7130), I'd like to try my hand at being a N/T fox once or twice. Any room for me in the schedule? :) Maybe we can have concurrent fox hunts -- with more than one fox being on at the same time. Just a thought.

It is now 9:00pm Pacific time GMT-7. I'm going to take 30 minutes to get something to eat, and then it's back at the key...

Hope to spot a few of you folks out there.

```
=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....
```

Date: Tue, 20 Oct 1998 23:15:58 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: qrp-l@lehigh.edu
Subject: [22776] Fox-Gotta Buy My Trapping License
Message-ID: <362D5FFE.2C9@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Darn missed again! Very very poor cond here in Eastern Ia
Just barely heard the wiley old critter, but not good enough
for a contact.
Pulled all the stops too-

Two antennas-
Vertical
Inverted "V" @ 50'
Two receivers
Drake R4C
OHR 100A
Finally cranked up the Autek QF1-A-helped a lot
but no pelt.
Well there's always another day-(I hope)
Mike
Le Claire, Ia
1436

Date: Tue, 20 Oct 1998 22:23:27 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [22777] Re: Altatlanticon
Message-ID: <Pine.SOL.3.91.981020221516.29575A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

East Coast QRPers:

Could someone post what the major hamfests in the east are? The name, where it's at, and approximately when it is held? I must admit, for those of us out here in the west, many of us are fairly ignorant about what goes on out east (and vice verse, I'm sure). Dayton and Huntsville are the only two that come to my mind.

The point is, some of us who travel for work or family might be able to make arrangements, skew our schedules a bit, etc. if we knew approximately where and when some of the larger hamfests are that would sport a local QRP program. To form a QRP event, riding on an existing hamfest is the only reasonable way to go if you expect to draw any sort of crowd, or speakers.

72, Paul NA5N

Date: Tue, 20 Oct 1998 21:08:08 -0700
From: tayloe_d@juno.com (Daniel R Tayloe)
To: qrp-1@Lehigh.EDU

Subject: [22778] Re: 40m xcvr & trick prod detector
Message-ID: <19981020.214209.11246.4.tayloe_d@juno.com>

On Tue, 20 Oct 1998 15:35:34 -0700 Grant Taylor <k7gt@qsl.net> writes:

>I just read your posted description of that xcvr...sounds great.
>A couple of quick (and likely stupid) questions... >
>1. Is there any hope of revamping a NorCal 40A with this detector
>replacing the NE602 1st mixer?

That is not likely. The 40A is a superhet complete with a crystal IF. This design is a direct conversion. Beyond that, it needs a 4x clock. That means that it needs a 28 MHz VFO. My design uses exactly that. However, the stability is the same as a 7 MHz VFO since it gets divided by a factor of 4 to run the commutating 1 of 4 analog multiplexer.

>2. Does it 'sound' like the K2? (I have never heard one but have been
>fascinated from the articles I have read).

I did not listen to the K2, but this radio does sound **really** good. I am so used to the peaky, ringing sound of sharp crystal filters that in contrast this receiver sounds really good.

>3. How much does a '74CBT3253' chip cost?

You cannot get this part in DIP form, but rather in the small outline part form. The lead spacing is half that of a normal DIP. It certainly makes things more interesting to build! Digikey has a Pericom part, PI5C3253Q-ND for \$1.02. Very cheap!

>Grant Taylor K7GT Pleasanton CA k7gt@qsl.net
><http://www.qsl.net/k7gt>

- Dan Tayloe, N7VE, Phoenix, Az ScQRPions, QRPL # 696

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Oct 1998 21:50:41 -0700
From: Norm Melick <henmel@gte.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [22779] OHR 100A's For sale
Message-ID: <362D6821.6B2822AF@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Making room for an OHR-500.

I have two, unbuilt, OHR-100A's for sale. One for 20M and one for 30M.

These are brand new, never been opened.

\$120.00 each, plus shipping from 90706.

Norm Melick

Date: Wed, 21 Oct 1998 00:30:40 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Daniel R Tayloe <tayloe_d@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [22780] The Tayloe Mixer
Message-ID: <Pine.SOL.3.91.981021000518.1243B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I have read Dan Tayloe's description of his new mixer concept, and must tell you, this is some true, novel engineering. I showed his description to several of our RF/IF engineers today, and all were quite impressed at the simplicity. The first comment by a couple were "well you could do the same by using the quadrature outputs of a phase locked DDS (digital synthesizer) chip for \$50-60." And as soon as they said that, they immediately realized the simplicity and how "cheap" Dan's approach is. The dynamic range and obtaining "single signal reception" (selective sideband) from a direct-conversion mixer with such simplicity is astounding.

Absolutely great work, Dan. You have all the right to name it the TAYLOE MIXER, as I'm sure most QRPers would agree. You've got my vote.

I wouldn't be surprised if we'll see it presented in the engineering literature before long, and what an honor for us to say "hey, I know that guy!" I can think of several neat applications for such a simple mixer for baseband conversion worthy of commercial development, and want to personally thank you for sharing it with the QRP community first. True class.

72, Paul NA5N

Date: Wed, 21 Oct 1998 00:07:40 -0700
From: "Radman" <radman@best.com>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22781] Re: Smallest Transceiver??? (addendum....)
Message-ID: <199810210704.AAA19682@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A couple of folks have reminded me not to leave out the new Yaesu FT-100, which was exhibited at Pacificon '98. If you own a Sierra or an OHR-100A, I'd invite you to peel the lid off that rig, look inside and try to imagine *how* you'd design a 160M > 440UHF transceiver with continuous receive to 1 GHz ... running 100 watts on the HF bands inside that box. It appears that the FT-100 will be the first transceiver to break the 100 cu in volume barrier, coming in at about 91 cu in. I still don't understand *how* they manage to dump all that heat! Yaesu HQ says availability is Valentine's Day, 1999.

A more interesting exercise is to imagine what the FT-100 form factor could be if they dumped the 100 watt PAs and all of the VHF/UHF functionality. A full SMT Dick Tracy HF QRP rig! Probably 30% smaller than the FT-100, without the PAs, heat sinks, fan(s), etc. Maybe 63 cu in? Amazing times we live in, eh? :-)

No, I can't imagine Yaesu would ever build the QRP version of the FT-100. Why, only a zombie would buy such a rig ;)

Ga' nite - 72 - Conrad Weiss - NN6CW

Date: Wed, 21 Oct 1998 09:12:54 +0200
From: Paolo Sassoli <Paolo.Sassoli@italtel.it>
To: "Qrp-l (per messaggi)" <qrp-l@Lehigh.EDU>
Subject: [22782] toroids position
Message-ID: <362D8976.D2C6985F@ii1sh01.settimo.italtel.it>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi to all;
I'm planning to build a rf filter with Amidon toroids
as inductance elements, it'll be a "dead bug" project
where ground connections are made directly on
the metal box.

Does anyone know if toroids can be placed lied down
on a metal floor? or do they have to stand up stright
to avoid close ground influence?

Thanks to all.

Paolo IK2LNH

Date: Wed, 21 Oct 1998 01:41:58 +0100
From: talljazz@teleport.com (Dan Presley)
To: qrp-l@Lehigh.EDU
Subject: [22783] aurora
Message-ID: <v01530519b252dd9f3785@[204.202.172.114]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No aurora outside of Portland (Or) last night. I hauled my 10 yr old son
about 30 miles east of town where it's dark (Crown Point, if you know where
that is). He was game, but we did see a lot of stars-a rare clear night up
here.

Dan N7CQR

Date: Wed, 21 Oct 1998 06:46:04 EDT
From: Bensondj@aol.com
To: tjarey@home.com, qrp-1@Lehigh.EDU
Cc: ki6ds@dpol.k12.ca.us
Subject: [22784] Re: Atlanticon
Message-ID: <6e68e7e.362dbb6c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Skip -

(from your message):

>>To: Bensondj@AOL.COM
>>CC: qrp-1@Lehigh.EDU (qrp-1@Lehigh.EDU), njqrp@njqrp.org (NJQRP Club)

>>That would be neat. Some of the 4 landers are talking about taking up the project on QRP-1 so make sure you let them know. I for one will be sitting front row if you're on the show. I have a lot to learn.

<<

(For those of you just tuning in, there's been some behind-the-scenes discussion in terms of getting 'Atlanticon' off the ground.) I was trying to encourage someone into running with it from my back-channel perspective.

If my prior correspondences weren't getting to the right destination, it'll be hard to avoid now! My prior message wasn't posted to the QRP-L, but no harm done.

Since the 'Mask of Zorro' has now been stripped off, I'll reiterate the same thing that Doug Hendricks has stated earlier about 'making something happen'. Talk is nice, but if it's going to happen there has to be a project leader. I've offered my support behind-the-scenes, and other good folks have expressed interest as well toward the goal of building 'critical mass' for a forum.

If we get a leader, we can have ourselves one darned nice QRP get-together, and one that nicely complements the springtime Dayton activities. I've been asked about competition with FDI- once a year just isn't enough for those of us in 'QRP forum withdrawal'. As for head-to-head competition with Pacificon- tain't so!- it's a long way to California for most of us 'right-coast' folks.

And without someone to 'make it so'? - we've got the best of intentions

and not much more. 'Take me to your leader!'

: -)

73- Dave Benson, NN1G

Date: Wed, 21 Oct 1998 07:56:55 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@Lehigh.EDU
Cc: cw@qth.net
Subject: [22785] Corsair II is sold
Message-ID: <3.0.5.32.19981021075655.007e4930@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folk, the Corsair II I posted for Bud McClure has been sold.

tnx es 73 de Scott/n3byy
Laurel MD
Fists #5030

ps still have a radioshack pro-2050 trunk tracker with manuals, original
carton, and a dc cable I made for it.
Asking \$175 shipped and insured.

Date: Wed, 21 Oct 1998 08:10:01 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [22786] Hamfest List
Message-ID: <199810211312.IAA29648@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

<http://www.arrl.org/hamfests.html>

The ARRL has a hamfest listing on their web page. Hopefully this will
eliminate the need to flood QRP-L with a endless stream of hamfest
messages.

73 Bryan W8LN

Date: Wed, 21 Oct 1998 07:41:13 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [22787] FOX:KV2X
Message-ID: <Pine.LNX.3.95.981021072447.20167C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...another interesting fox hunt...first thing I heard was the Russian beacon "C" on the band and thought , oh oh the band's long already...I heard Tom's first CQ and gave him a hollar....no return...Tom gave another CQ fox, I hollar...no return...well we're having so much fun "practicing" the fox hunt that he and I do it again.....nothing!....arrrrrgh, he's not hearing me....I'm hearing him about 119...then W0CH let's go a volley and makes the first pelt of the hunt...but with patience I finally get through at 0238Z...calls heard; AA5AA,W5HNS,W5SB,K3MM,K50I,K5ZTY,N4NTX(?),K0EVZ (weak;usually strong),K1MG,KB7MBI,W5TB,N1FN,K2VCO,N5JKY,WB4WZL,K1IF,N9EVP,N4DI,K7XJ,N4ROA,K5JHP,KU7Y (did you get him Ron?...sounded like a tough one f or you)...I have an idea the solar "stuff", aurora of Monday was still lurking around eh?!...oh well, Thursday will be here before we know it...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
"QRP! How sweet it is!"

Date: Wed, 21 Oct 1998 08:50:03 -0500
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [22788] RE: Did anyone see Aurora last night?
Message-ID: <000001bdfcf9\$b4dc3ab0\$d8016f81@muenzlerk.uthscsa.edu>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Didn't see any here in south Texas, but then it's been raining for a week too. Maybe when (if) it clears up....

Kevin, WB5RUE/MM5

Date: Wed, 21 Oct 1998 09:10:30 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@lehigh.edu
Subject: [22789] 10M, SSB QRP, Delta loops, and DX
Message-ID: <362DEB56.510A@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Have u been on 10M? Man 0 man! I dusted off my ole HTX-100 and tuned it to 10w on hi pwr, 3w on low. Actually it had been set at 1.5w since I put it away in 1993 or 94!!!

I've actually been BUSTING into pileups with 10w SSB! YL80KL, ER5GB, KH2D, Z31FX, F00SUC, YC9MKF, 6W1QV/P, 7X4AN, DU4DX, YB2PBX, YB0DX, DS2ECV, HL3ERJ, YU1AB, 4X1VF, 8R1AK, and DU6BG. Bobby, DU6BG even dropped his power to QRP and we made it QRP x2!

I can just picture the QRO'ers cringing when they hear the DX op saying "congrats on your QRP, your 5 by 5 here with your 10 watts". When they have been stepping all over each other, running 100w and sometimes there amplifiers to get the DX stn! Im sorry, maybe its there antenna?

I'm lucky to have a 2 ele 10/15M quad @ 70' I can rotate... But even a 2 ele delta loop 10' off the ground aimed at europe would get them in.

I had one of those in 1993 and in the AM I'd be bagging Euro DX and evening bagging Pacific DX off the back... its not really hard. I had my delta loop in a tree, and the spacing was very rough, as was the delta shape, and fed with RG-58. Its almost invisable too.

Delta loops are very forgiving if u have them "too low" or not properly spaced - fact is they dont seem to care! Im sure if you get it 100% it would be better. Just do it and see what you get, you wont be sorry.

Jim AR QRP #2

Date: Wed, 21 Oct 1998 10:13:22 EDT
From: SABorns@aol.com
To: qrp-l@lehigh.edu
Subject: [22790] OHR-500 Construction Progress
Message-ID: <ea8d08fa.362dec02@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang,

Construction of my OHR-500 is proceeding along smartly. All three circuit boards have been populated and today I will be doing chassis assembly. The boards went together without a hitch. Zero parts missing and the boards themselves are excellent quality and very well marked. Nothing is crowded on the boards and the manual gives very clear instructions. There are quite a few toroids to wind, being a five band rig, but with the heat strip wire supplied the tinning of the leads is quick and painless. There should be some kind of universal law that all toroids should be supplied with this type of wire. I wound the twenty toroids for the T/R board while watching last night's episode of NYPD Blue.

I will report my progress again later.

73, Steve K8IDN

Date: Wed, 21 Oct 98 09:24:26 -0500
From: Chuck Adams <adams@ticnet.com>
To: "SABorns@aol.com" <SABorns@aol.com>
Cc: qrp <qrp-1@Lehigh.EDU>
Subject: [22791] Re: OHR-500 Construction Progress
Message-ID: <199810211420.KAA80938@nss4.cc.Lehigh.EDU>

Steve,

Keep up the good work. I'm at the same place you are it looks like.

dit dit

--
Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Wed, 21 Oct 1998 10:06:11 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [22792] wire cutter list
Message-ID: <6093-362DF863-307@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

Ok guys
The list at this point in time is as follows:

Frank G. (no call)
Niel Wa7ssa
Paul ve7cqk
Radman nn6cn
Robert w4bld
Kevin n2to
Richard w5blr

Larry Brandon k1zw
4025 Morgan Drive
Mesquite Texas
75150

Date: Wed, 21 Oct 1998 09:34:01 -0400
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [22793] Question about schemo makin' software &c
Message-ID: <19981021.093403.4062.0.nilsbull@juno.com>

Amigos,

Some weeks ago I came across a posting about the ZM-2, in which the poster had referenced a web page that had a review of and schemo for the tuner. As part of that schemo & review, the reviewer referenced a web site where dummies like me could download a demo version of a schemo drawing program.

As you might expect, I didn't bookmark the reviewer's site and, although I went to the schemo software homepage, I didn't download or bookmark the software site.

Anybody know where (a) I can find that review and (b) where that software page is/was? I've been searching the web & keep coming up with more info than I need right now.

73

Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes: The Grinnin' Turkey Ranch
WB8IJD &c :: The Tagalong Press :: email to nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 21 Oct 1998 10:26:16 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@Lehigh.EDU>
Subject: [22794] TS850/QRP
Message-ID: <009e01bdfd07\$24fcfd40\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

I recently made a number of rig switches. I had a Kenwood 930. It was the best CW rig I ever had.. best receiver most noise fighting accessories.. best for QRP/weak signal. Could have two signals on same freq and only listen to one. Only thing was I wanted to play with computer control, so sold it and got the knwd 570D. This rig is great on SSB and by far the best user interface design (maybe Wayne designed it) Rig had bugs, like if you kept the computer connected, ate up the Lithium battery real quickly. Also the relays were very annoying to me, and wasn't all that impressed with CW performance even with 500 hz filter. Sold it, and got a knwd850sat. Has the 500hz at the 8.8 IF. I just bought a 500hz at 455 IF. The rig is simpler to use than the 930, I am still playing a lot with it.. so far love it. doesn't quite have the gadgets the 930 did, but seems to do VERY well on QRP/Weak signal. I can turn the power back to about nothing using the combination of carrier and power knobs. the high/low cut is very effective in isolating the

signal. There is a tone knob which I was hoping was similar to the 930, but doesn't seem to do much on the rig I have. I am trying to find the 1.8 SSB filter for Pactor, but no luck yet, may go with the IRAD, or may even get the 250 Hz so I would have two 500 hz and the 240 for CW. Anyone try this combo?

Just got the computer interface cable and will try to hook that up this weekend. QST review on the receiver was quite impressive.

Still looking for a Corsair II, maybe the I.

72

Jeff, AC4HF

Date: Wed, 21 Oct 1998 10:40:08 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [22795] Mobile again
Message-ID: <00a001bdfd09\$15433160\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

All,

well about 4 years or so ago I use to do a bunch of mobile in my Acura Integra with a Ten Tec Argonaut 509 strapped to the top of a toaster oven (well the metal from the top of a burnt out one). and had the top in where I had taken out the glove box. I tried about ever combo of antenna and had a bunch of fun. Was really a challenge in town using the stick shift and doing CW with the leg strap.

Now I have to travel about 2 hours each way to take a class once a week. Dreaded the long drive after a full day's work and the long drive home at night after putting in about 15 hours. Came up with the solution.. mobile/HF. I looked around and tried to figure out how to put a TS50 (which I could have gotten fairly cheaply) in my small LeBaron Convertible.. no good way, could have had it on the seat (and used my TT Argosy that way). Looked around on the Internet for an Icom 706 or 706 II. Was about to get one when I came across a Yaesu FT900sat, with CW filter. Living in the sticks has problems.. I have never seen or touched many of the rigs out.. but what the hay, bought it and had it shipped. Was pretty surprised to see how big the rig was.

Goal was to not have any mods to the car, and have it so that if I decided to take out radios there would be no permanent damage to car. Took the aircraft quality middle brace from my downed Lightning Bolt Quad and bent it. Bolted into the metal behind license plate so that hole would always be behind plate. Found a couple of grounds. Had to really get creative mounting the rig in trunk. Found a place next to the spare tire.. it would be out of way here, safe and I can still fit my golf clubs and walking cart in without going near rig.. these things are important. Couldn't figure out how to get drill in to mount brackets. Finally got about a 3 foot piece of pine board. Drilled a hole (only tell tale) in flat metal piece in trunk that holds spare. Put a bolt through it and figured out how to press fit other end. This way brackets for rig are mounted on board, I can easily swing the board in and out of one side to check connections, make changes ets.

Had a Carolina Bug catcher hooked up.. works fantastically, but have to get out of car to change bands.. found some hustlers for 10,15,20.40.80. Mounted the 10,15,20.40 using a small bracket a friend made for me. The hustler tunes all parts of the 3 bands and CW portion of 40, and also tunes 12 meters (looking to trade my 80 meter for 17 meters).

The set up works fantastically. I get consistently great reports.. even been doing SSB, which I haven't done in years. With the rig in trunk, the QSK is silent in front. The rig works fantastically on both CW and SSB. They didn't really think out some of the design. The power control is on main rig in trunk, as is direct freq entry and some other things that might be useful. Most of what you need is on detachable panel. It is larger than the IC706, which I find to be a great advantage in mobile, I took some black packing material and cut it to fit the panel and press fitted the panel in the foam and the foam under my 2 meter rig and above the ash tray.. guess some day will need to do something more permanent.

Instead of dreading the drive, I now look forward to it. I couple of CW contacts and maybe a SSB QSO or two and I am at my destination.

Love this Hobby!!!!

72
Jeff, AC4HF

Date: Wed, 21 Oct 1998 11:56:09 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org
Subject: [22796] FOLDED RADIALS

Message-ID: <9b16fa0d.362e0419@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Some designs call for using a radial where the wire folds back on itself. One we are all familiar with is the SLV which takes the 20 ft twin lead and solder both ends and then make a cut 13 ft from the end to give you two lengths of radial wire.

QUESTION 1: If you fold back an antenna on itself I understand that the folded portion generally cancels itself out. If this is true does it apply to radials also??

QUESTION 2: Most folks subscribe to the 1/4 wave radial theory. However there are papers that show if the radials are elevated about 0.05 wavelength you can use 0.015 wavelength radials. I was wondering if someone could clarify? (are we just looking at tiny differences that don't make a significant difference?)

Alan KB7MBI

Alan KB7MBI

Date: Wed, 21 Oct 1998 08:54:53 -0700
From: "Radman" <radman@best.com>
To: <nilsbull@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22797] Re: Question about schemo makin' software &c
Message-ID: <199810211551.IAA11254@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nils,

I believe you're thinking of the post made by George - KJ6VU on 21 Sept, '98. Try browsing over to:
<http://www.qsl.net/kj6vu/> then click on "Z-Match Antenna Tuner & Schematic"... then click on, go to Design Works by "Capilano Computing." You'll then link to Capilano Computing where you can do an evaluation down-load of the software.

GL and let us know how you like the schemo drawing

program... BTW, I haven't had time to run it thru its pesos... ;)

72 -- Conrad Weiss - NN6CW

Nils writes:

Amigos,

Some weeks ago I came across a posting about the ZM-2, in which the poster had referenced a web page that had a review of and schemo for the tuner. As part of that schemo & review, the reviewer referenced a web site where dummies like me could download a demo version of a schemo drawing program.

<snip>

Date: Wed, 21 Oct 1998 09:08:37 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22798] Six Pack -Vol/Mon
Message-ID: <19981021.090838.9966.1.dave_epps@juno.com>

On the G3RJV Six Pack voltage monitor board.
I isolated a strip of the copper, drilled holes and mounted the led's on the board. Made a real compact unit.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 21 Oct 1998 10:21:48 -0600
From: n0bf@juno.com (Stephen C Stuntz)
To: qrp-1@Lehigh.EDU

Subject: [22799] DXCC question
Message-ID: <19981021.102148.14462.1.n0bf@juno.com>

How do I find the address for SP3BGD (qsl manager for HF0POL)?

Stephen N0BF

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 21 Oct 1998 12:19:05 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org
Subject: [22800] HAND CRANK GEN
Message-ID: <9ffc6f95.362e0979@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

EDMUNDS catalog on pg91 has a handcrank generator 5v-200mA (\$49) and a 10v
300mA model (\$59)
Alan KB7MBI

Date: Wed, 21 Oct 1998 09:41:44 -0700
From: Grant Taylor <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [22801] Vernier dials needed
Message-ID: <362E0EC8.26E9@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I need vernier dial s (2) to go on my SST(s). 3:1 or 4:1 reduction
would be good. Does anyone's junkbox have two of these? A source would
be sufficient, too.

--

Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

Date: Tue, 20 Oct 1998 20:26:12 EDT
From: borealis@juno.com (Philip G. Collier)
To: qrp-1@lehigh.edu
Subject: [22802] Re: PVC Audio Filter is ASP not DSP
Message-ID: <19981021.124255.8598.0.borealis@juno.com>

On Sun, 18 Oct 1998 22:57:32 -0700 "Alan Kaul W6RCL"

>Has
>anyone come up with a design for an acoustic filter for maximizing SSB
>signals at roughly 2.3-2.7kHz ???

Alan,
How about using five or six lengths of PVC cut to different parts of
the audio bandpas, fed by a speaker of sufficient size.

Phil
KG2DH

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 21 Oct 1998 10:11:36 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [22803] Re: Smallest Transceiver???
Message-ID: <362E15C8.8B5F0D29@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Caitlyn M. Martin wrote:

>
> On Tue, 20 Oct 1998 17:49:43 EDT, Baranger1@aol.com wrote:
>
> >Question for the group, what is the smallest size "all band" QRP SSB
> >Transceiver made?
>
> My guess, not counting kits, would be the TenTec Argo 556.

Got one!

And for a kit, undoubtedly the Wilderness Sierra...gotta finish building it.

That is, unless the need for interchangeable band modules disqualifies either as a multiband transceiver.

72 de Jim - AD6CW

Date: Wed, 21 Oct 1998 12:51:35 -0500
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>
To: n0bf@juno.com, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [22804] RE: DXCC question
Message-ID: <000001bdfd1b\$7283da70\$d8016f81@muenzlerk.uthscsa.edu>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 8BIT
Content-Transfer-Encoding: 8BIT

SP3BGD
Stanislaw Miranski
Rydza Smiglego 27/5
Zielona G ora, 65-610

http://www.buck.com/cgi-bin/do_hamcall

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Stephen C Stuntz
> Sent: Wednesday, October 21, 1998 11:22 AM
> To: Low Power Amateur Radio Discussion
> Subject: DXCC question
>
>
> How do I find the adress for SP3BGD (qsl manager for HF0POL)?
>
> Stephen N0BF
>

> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> or call Juno at (800) 654-JUNO [654-5866]
>
>

Date: Wed, 21 Oct 1998 13:08:19 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: "George T. Baker" <w5yr@swbell.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [22805] Re: resonant speaker headphones?
Message-ID: <3.0.1.32.19981021130819.0068a340@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

George and All,

I have a DIAWA AF606K All Mode Active Filter that comes close. It has an 80 Hz position that gets right in there. It's selectable/tuneable for all sorts of neat things related to the audio output.

>My only point is that some conventional analog and most digital filters
should
>be able to come very close to providing the enhanced audio selectivity of the
>tuned resonator for those who do not wish to follow the acoustic route,

No where near as much fun as building any of the interesting and creative ideas for tuned resonators though.

Even the 80 Hz position didn't help me with the FOX Oct 21 though. The QRN from the rain storm pretty much wiped out my reception from Tom -- about 239 copy here at best.

72/73 -- Chuck, W5USJ, EM22cv, Point, Rains County - Eagle Capital of Texas

Date: Mon, 19 Oct 1998 13:12:52 -0500
From: "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
To: qrp-l@Lehigh.EDU
Cc: millermd@nwu.edu
Subject: [22806] Santa Monica and San Diego QRPers

Message-ID: <199810211813.0AA32280@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be in Santa Monica during the day of Saturday, November 7th, and then in San Diego, starting early afternoon Sunday, November 8th and for several days thereafter. I plan on bringing with me a qrp set up. Are there any qrpers out there in either place who might be interested in getting together with me for some operations?

Thanks!

72 de KG9ML, Mike

Michael L. Miller, MD
millermd@nwu.edu

Date: Wed, 21 Oct 1998 14:16:27 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22807] FS MFJ QRP RIGS
Message-ID: <466bb20e.362e24fb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
I decided to let go of two of my MFJ rigs
1-20-Meter CW A-1 MINT and modified to the version-4 model
1-15-Meter CW A-1 MINT, Also updated to version-4
Both units have been tuned and tweaked and are within 1.5 KC from the bottom of the band to the top.
\$100.00 plus \$5.00 shipping.
Add \$25.00 for keyer.
Bob
WA2HOQ

Date: Wed, 21 Oct 1998 11:49:03 -0700
From: Lou Fisher <hummba@pacbell.net>
To: qrp-1@Lehigh.EDU

Subject: [22808] CRYSTALS FOR 160 METERS
Message-ID: <362E2C9E.32086FDE@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To All 160 meter fans
In cleaning out the garage today i found an old box which contained misc
saved partsa
found crystals (2) markings 1.8432 mhz.
if anyone interested drop me a line.
there is a lot of stuff in the box i can dig deeper
Lou
Simi Valley
WB6LQD

Date: Wed, 21 Oct 1998 13:48:20 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: <qrp-l@Lehigh.EDU>
Subject: [22809] Re: FOX - HELP
Message-ID: <3.0.1.32.19981021134820.0068a340@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L Fox Hunters

This is one of the rules of course, but to not know exactly where the FOX
is between another rule limit of 7.040 MHz +/- 10 kHz makes it a better fox
hunt. I know, rules is rules.

>1.13 Fox must post PRIOR to operation day with details (rig, ant,
>freq) regarding their operation.

72/73 -- Chuck, W5USJ, EM22cv, Point, Rains County - Eagle Capital of Texas

Date: Wed, 21 Oct 1998 14:02:03 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@lehigh.edu
Subject: [22810] kv2x FOX

Message-ID: <3.0.1.32.19981021140203.006be424@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L Fox Hunters,

One more rainy RF noisy day here in East Texas. The QRN from the rain storm was high and I could not hear Tom more than half the time. That is, during any transmission, I could only copy about half of what was being sent. The QRN chopped up the signal otherwise. It stayed that way for the entire two hours, of course. Today, the skies have cleared and the bands are quiet again. Should be good for Thursday. (Antenna is an HF9V vertical -- had similar problems on 40 and 20 during the QRP party this past weekend too.)

72/73 -- Chuck, W5USJ, EM22cv, Point, Rains County - Eagle Capital of Texas

Date: Wed, 21 Oct 1998 15:12:13 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Chuck Carpenter <w5usj@webwide.net>
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [22811] Transmit / Receive Delay
Message-ID: <Pine.3.89.9810211455.A7723-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 21 Oct 1998, Chuck Carpenter wrote:

>

> I expect your rig has very fast full break-in. My old rig does not and
> takes almost a full second to switch from transmit to receive. I can set
Hi Chuck, My FT-1000MP does have crude full break-in, but I never use
it. Which makes my configuration similar to yours... My keyer delay
(transmit/receive switch time) is set to .26 second in the menu. That's
slow enough to make the T/R relay hold during a CQ or the sending of an
exchange. At very slow speeds, the relay chatter is a bit of an
annoyance, but easily tolerated with headsets. I find full break-in much
more annoying than the relay chatter.

>

> By the time I got back to receive mode you had sent something that made no
> sense at all to me. I had probably missed much of what you sent during
> that second delay. I started realizing I was having similar problems with
> others who seemed to be more serious testers.
I suspect a lot of the serious testers use full break-in. Either that
or their T/R relays are getting worked to death with the snappy
exchanges. Anyhow, try shortening up the hold time for that relay and

give yourself a chance to get used to hearing it click on and off. You will definitely miss less of the exchanges and might learn to tolerate the noise. Do you use headsets? For years, I did not, but then started to in respect for the XYL during long contests. Now I find it difficult to operate without them.

>

> Anyway, thanks for the contact and it was a fun contest even with the noisy
> rain storm in the area.

Thank you also, Chuck. Similar condx here with summer-like storms, but the noise was tolerable (probably drowned out by the relay! :-)

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Wed, 21 Oct 1998 15:11:53 -0400

From: "david r" <elbc@pivot.net>

To: <n0bf@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [22812] Re: DXCC question

Message-ID: <[002201bdfd26\\$ab17f320\\$433d62ce@elbc](mailto:002201bdfd26$ab17f320$433d62ce@elbc)>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Content-Transfer-Encoding: 8bit

-----Original Message-----

From: Stephen C Stuntz <n0bf@juno.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Wednesday, October 21, 1998 12:12 PM

Subject: DXCC question

>How do I find the adress for SP3BGD (qsl manager for HF0POL)?

>

>Stephen N0BF

>

Hi Stephen,
Try this URL <http://users.southeast.net/~kd4ujk1/dxqsl.htm>
It list several DX callsign servers
Sp3bdg
Stanislaw Miranski
Rydza Smiglego 27/5
Zielona G ora, 65-610
73 Dave KC1DI QRPL 975

Date: Wed, 21 Oct 1998 19:16:17 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22813] Pacificon (Fairly Brief)
Message-ID: <362E3301.1BA2@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There have been so many excellent posts on the activities that
I will just summarize: "FANTASTIC".

I thank Jim/KE6UAR, Darrel/WD6BOR, and my co-worker Gus for the
rides To/From/Home. Everything went smoothly and I am grateful
to be able to have attended.

Dropped off near the rear side-entrance, I entered the building
and proceeded thru a maze of corridors to the Main lobby. A lumbering
presence followed and in the mirror of one of the last hallways
I say none other than Chuck/K5FO was my travel companion! I recognized
Chuck immediately despite his trim/athletic appearance.

After a casual QSO I purchased the pacificon badge (So I could register
at the vendors' for the K2 drawing) and proceeded directly to the
seminar area (And my compendium!).

I concur that the talks were great and I was easily alert throughout the
day.

Randy/K7TQ (ex-AB7TK) bought lunch and we shared a 45 minute ragchew.
We both reminisced about our friend Joe/AB7TT who couldn't attend this
year.

I nearly bought the "M93M calsign nametag but settled with "WE6W" -- I really wanted some eyeball qso's, and I learned last year that without a nametag I'd miss lots of opportunities. Sure enough, I was easier to find.

Still there are those that I missed or missed me. I wore blue jeans, a white polo shirt with a Flying Falcon emblem and carried my Blue Engineering bag complete with Res. Spkr, worlds ugliest Homebrew Pixie2, and the original Shotgun Micophone article. The PC board counstructed pixie2 received kind remarks like "You could have at least polished up the Copper!" etc..... Of course I built this as a Proto and "My eyes Only", but it is nice that everyone wanted to see it.

I pulled the Res. Speaker out of the bag at least 10 times to share design ideas. I had constructed multiple tubes and coupling rigs and plugs for it. It was lots of fun. But anyone can homebrew one of these fairly easily. I just happened to bring mine. And to eliminate arguments I explained How it works "in my opinion" :) I didn't need: "Well Ed, the proper triaxial resonant formula is $1130/2 * \text{SQRT}(1/L*L + 1/H*H + 1/W*W)$!!!!!!

Sure was Fun.

Dinner with DX Larsen/MX Tayloe/"ZEN" Hogin/Dr. Megacycle Duffey/and Traveling Brian w5vbo was lively. Once again I talked too much (I guess spending 9hrs a day chatting with my CPU explains that.)

Spent some quality time with Ade and chatted with Rev. Dobbs as well.

But couldn't get Ade to trade the Sierra across for my Drake TR-3.....

They didn't have any Bugs so I hung back on the sending contest :)

But the main event was meeting the gang. And that's why I went to Pacificon -- Thru snow, uphill both ways, 150 lb. pack and broken leg -- Oh, that was school....

Loved it.

-ED we6w ..

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Wed, 21 Oct 1998 17:14:14 +0100
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-1@lehigh.edu
Subject: [22814] NORCAL EURO Rep at Rochdaleicon
Message-ID: <d9U7kBAWhgL2EwYY@stevef.demon.co.uk>
MIME-Version: 1.0

Fellow NORCALites,

I will be at Rochdaleicon this week end and taking subscription renewals, new subscriptions and giving information on NORCAL. Staying in the Royal Toby Lodge on Sat night. See you there.

Steve

PS The NORCAL 20s sold out long ago so, alas, I'll not be taking orders.

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Wed, 21 Oct 1998 13:13:43 -0600
From: Lou Martin <lmartin@uswest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22815] Need Original Meter for HW-8
Message-ID: <362E3267.15CC4AC5@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

With all the time spent on my HW-8 I've overlooked the fact that it has a substitute output meter. I'd like to install an original, and would appreciate any help finding one.

72, LOU
KC0BBE
Monument, CO

Date: Wed, 21 Oct 1998 13:48:21 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [22816] Thanks
Message-ID: <Pine.SOL.3.96.981021134718.16903B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

To all who gave me directions to the new
hotel, THANKS!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 21 Oct 1998 21:26:39 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22817] Tesla Information.
Message-ID: <362E518E.924@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wouldn't you know I'd get sidetracked... I'm playing around
with the new Geocities websearch utility at:

<http://www.geocities.com/search/>

Looking for Resonant Audio Speakers and before you know it
I'm off on a tangent hobby of mine, Resonant Tesla
transformers.... And if you go here and visit

the "misc" directory you'll find some postscript documents as well as pictures and text articles relating to tesla experiments and devices, including Hi-Voltage tubes.

<ftp://nic.funet.fi/pub/sci/electrical/tesla/>

How does this relate to QRP? How about Wireless Power Transmission.

All I need is 10 Watts to power my OHR-100 with 5 watts output and I'm set :)

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

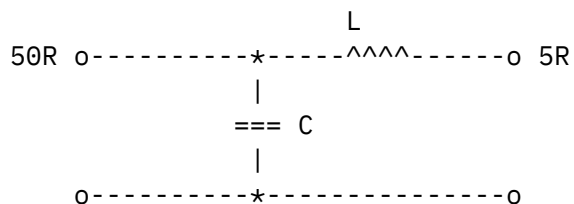
Date: Wed, 21 Oct 1998 14:53:48 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [22818] Help with understanding of L-networks
Message-ID: <Pine.LNX.3.96.981021135813.16912A-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello.

Just reading through my ARRL Antenna book, and came across a section on L-networks. Let me see if I understand them correctly. First, I'll start off with a pre-fabricated example. Then, I'll try my hand at a custom L-network design.

PLEASE USE FIXED-WIDTH FONTS TO VIEW THIS MESSAGE. Courier font seems to work under Windows and Mac.

Let's take a circuit that is designed for resonance on 6MHz, and we're matching a 50ohm receiver to a 5-ohm antenna -- just as is listed in the ARRL book.



where $C = 5254.1\text{pF}$, and $L = 1.3\mu\text{H}$.

We can easily see from the indicated values that the target design frequency is 6.0MHz, as at 6MHz, $X_c = 5\text{ ohms}$, and $X_l = 50\text{ ohms}$ only at 6MHz. :)

This brings me to a decent observation, one which I DID NOT see before. The reactance of the capacitor is designed to be the target impedance value. So that the total impedance of the source network is $Z = R_s X_c / \sqrt{R_s^2 + X_c^2}$. In this case, the source impedance becomes roughly 4.97 ohms -- almost exactly 5 ohms. However, this is an extremely reactive impedance.

Likewise, on the output network, the impedance of the coil is designed to match the source impedance of 50 ohms -- again, being highly reactive. When converted into an equivalent parallel circuit, the total circuit impedance is, once again pretty darn close to 5 ohms -- thus, we see a match in impedance.

QUESTIONS:

1) As analyzed above, the source impedance appears to drop to only 5 ohms. Wouldn't this seriously affect the driver circuits? Is the above analysis flawed, or merely incomplete, as I have not subtracted the capacitive reactance from the inductive reactance?

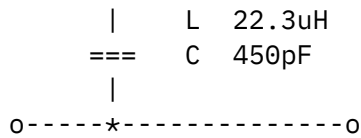
2) X_c is small, yet X_l is rather large, even in its parallel form. This means that the circuit elements are NOT at resonance. Is this normal for an L network?

3) The resulting impedance will have a resistive component of 5 ohms alright, but the reactive component will be pretty close to 50 ohms! Should driving amplifiers be designed to drive an inductive load, or a resistive load of 50 ohms? Does it even matter, and if not, why not?

OK, now that I got that out of my system, let me talk about a hypothetical L-network for the 40m band, specifically, 7110kHz. :) Assume a 1K source impedance, coming off a transistor amplifier. And assume a 50-ohm antenna, or target impedance. We definitely want a low-pass characteristic, so the capacitance is what will be made parallel.

In this case, we want the X_c to be 50 ohms at 7110kHz, so C will be 447pF. I'm assuming that it's safe to use 450pF, as I've seen those caps plenty of times before in old TV sets. Anyway, the series inductor should have an impedance of 1K at 7110kHz, so L should be 22.3uH:

1K o-----*-----^^^^-----o 50R



Does this sound reasonable? Would this L-network work? :) Thanks in advance for helping me out.

(P.S.: The reason I'm wondering about all this is because I'm planning on toying around with different types of antennae, only some of which present a good match to 50 ohms without a tuner. Besides, knowing this stuff is all-round good to know anyway -- it'll help me on the Advanced exam.
grin)

```

=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
  DM13        |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....

```

```

-----
Date: Wed, 21 Oct 1998 18:18:12 -0700
From: David Greer <deg@bardstown.com>
To: qrp-l@lehigh.edu
Subject: [22819] Fox
Message-ID: <362E87D4.47B1@bardstown.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

```

Although I've copied KV2X, last night's fox, with a good signal on several previous occasions, last night was not one of those times. Here in Central Kentucky, I could hear the hounds calling but I never heard the fox once. Not even a slight trace.

Nuthin'....

Oh well, there's always next time.

72, Dave, N4KZ

Date: Wed, 21 Oct 1998 18:17:57 EDT
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Cc: tentec@contesting.com
Subject: [22820] TVI Problem
Message-ID: <db57ea31.362e5d95@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Seems I have acquired a TVI problem in my house (hopefully no other neighbors) with my Omni D rig, Model 247 antenna tuner and Long Wire antenna. Keep in mind all equipment is WELL grounded. Noise seems to show up on computer speakers in the house also when I transmit, according to XYL. Running around 50 - 75 watts. Do I need to rethink my *stealth* antenna? Must be stealth!! Low pass filter? If filter, anyone have a used one they are willing to part with? Thoughts / suggestion ?? QSO contacts are going great especially to the West.

Thanks in advance,

Gordon kf4eib
Greensboro, NC

Date: Wed, 21 Oct 1998 15:44:11 -0700 (PDT)
From: Tom Popovic <ki3r@yahoo.com>
To: KB2QQM@email.msn.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22821] Re: QRP Pactor ???
Message-ID: <19981021224411.14991.rocketmail@send202.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

---GREGORY HEATH <KB2QQM@email.msn.com> wrote:

>

> I have been involved in Qrp now for about 5 years and I am looking to

> explore the digital areas. Is there anyone on the board here that has
> Pactor or Pactor II experience. I read or heard that low power
levels are
> required, which would be a neat addition to the shack here. A Qrp
pactor
> station. Any ideas for a Tnc...under \$300.....or software...thanks
Greg.
> kb2qqm

Hi Greg... I have been running Pactor for about 6 years
now with very good results. The mode lends itself to
minimal power utilization. My contact routinely are less than 10
watts after a link has been established.
The ops on this mode are very good...I have been "QRMed" only once.
It has happened so infrequently that I can even remember the
frequency. 80 meters is
getting quiet so I will be back in the 3630 to 3635 kc
area again. I use a Packratt 232 as an interface which
has served me well over the last 11 years or so. It is
something to see, on occasion, the screen full of text without hearing
a discernible signal. Sort of spooky..
Please feel free to e-mail direct if I can be of any
help. 73 Tom

>
>
>

==

The common good was the claim and justification of every
tyranny ever established over men. Every major horror of
history was committed in the name of altruistic motive...
Actors change, but the course of the tragedy remains the
same. Ayn Rand 1943

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 21 Oct 1998 15:31:18 -0700
From: Clark Savage Turner <turner@safety.ics.uci.edu>
To: KF4EIB@aol.com
Cc: qrp-1@lehigh.edu, tentec@contesting.com
Subject: [22822] Re: [TenTec] TVI Problem
Message-ID: <9810211531.aa10017@paris.ics.uci.edu>

How do you feed the antenna? Coax may be radiating and overloading the local equipment. A low pass filter will only help if the TVI is not overload, but bad products from your OMNI (unlikely). Sounds like overload if your computer speakers are making noises.

The thing to do is minimize RF fields there in the house. You can move your antenna further away from the house AND make sure your feedline is not radiating (good balun or line isolator).

Also, you might try RF bypassing of the speakers (.01 uF caps) and filters for the TV antenna. Sometimes these do the trick alone.

Good luck. I have had this stuff happen to me too.

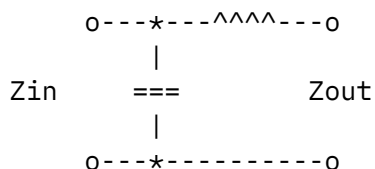
Clark
WA3JPG

Date: Wed, 21 Oct 1998 15:53:23 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [22823] L-network revisited
Message-ID: <Pine.LNX.3.96.981021154045.24540B-1000000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

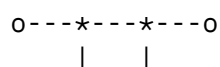
OK, my former analysis was horribly off the mark. Scratch what I had written prior.

To determine the correct values of an L-network, there is basically a two step process you need to follow.

Assuming the following circuit:



The first step is to convert L/Zout pair into its equivalent parallel network:



```

===  ) Lp
    |  ) Zp
    |  |
    0---x---x---0

```

In this arrangement, we already know what we'd like Zp to be -- it should match Zin. So the only unknown at this point is Lp. Thus, we determine XLp using the following formula progression:

```

Rp = ( Rs*Rs + Xs*Xs ) / Rs
    ... in terms used in this example ...
XLp = ( Zout*Zout + XL*XL ) / XL

```

We already know Rp and Rs, so solve for Xs:

```

Xl = sqrt( XLp*Zout - Zout*Zout )

```

Once we know Xs, we can figure out L in the original circuit (L = Xl/(2*pi*F)).

So we now know the reactance of Lp, and we also know that Zp is equal to Zin (or very close to it). Therefore, we now need to find the value of capacitance for C which cancels XLp. The standard capacitance formulas work for this purpose.

And that is how you **properly** design an L network. :)

```

=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....

```

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Date: Wed, 21 Oct 1998 18:55:38 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22824] sold
Message-ID: <2dafd399.362e666a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

```

The MFJ rigs have a home.

Thanks to all who responded
Bob
WA2HOQ

End of QRP-L Digest 1251

